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S,908,581 06-01-1999 Chen et al.	Initial*	4.500.000	00.06.1000					IF APPROPRIA	ΤE	
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) OF Dresner, RCA Review, 30, 282 (1969), P3. 322-334. OF Tang et al., Applied Physics Letters, 51, 583 (1987), p. 913-915. OF Tang et al., Journal of Applied Physics, 65, 363 (1989), p9. 3610-3616. OF Popovic et al., Thin Solid Films 2000, 363, 6; SPIE 1998, 3476, 58 p9. 68-73. OF Hamada et al., Applied Phys. Lett. 75, 562 (1999), p9. 1682-1684. U.S. Patent Application Publication 2003/0118866 A1 EXAMINER: Initially reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance.	99	2001-284050	10-12-2001	Japan		 	-	X		
Dresner, RCA Review, 30, 322 (1969), Pg. 322 - 334. Discreption of the property of the proper	89	1 162 674 A2	05-28-2001	Europe			\dashv			
Dresner, RCA Review, 30, 322 (1969), Pg. 322-334. Drang et al., Applied Physics Letters, 51, E8 (1987), P. 913-915. Tang et al., Journal of Applied Physics, 65, 322 (1989), Pg. 3610-3616. Popovic et al., Thin Solid Films 2000, 363, 6; SPIE 1998, 3476, Pg. 68-73. Hamada et al., Applied Phys. Lett. 75, 1992 (1999), Pg. 1682-1684. U.S. Patent Application Publication 2003/0118866 A1 EXAMINER: Initially reference considered, whether or not cliation is in conformance with MPEP 609; Draw line through cliation if not in conformance.										
Tang et al., Applied Physics Letters, 51, \$\frac{1}{28}\$ (1987), \$\rho \cdot 913 - 915. Tang et al., Journal of Applied Physics, 65, \$\frac{1}{28}\$ (1989), \$\rho 9. 3610 - 3616. Popovic et al., Thin Solid Films 2000, 363, 6; SPIE 1998, 3476, \$\frac{1}{28}\$ \rho 9. 68 - 73. Hamada et al., Applied Phys. Lett. 75, \$\frac{1}{282}\$ (1999), \$\rho 9. 1682 - 1684. U.S. Patent Application Publication 2003/0118866 A1 EXAMINER: Initial y reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance										
Tang et al., Journal of Applied Physics, 65, 3 (1989), pq. 3610-3616. Popovic et al., Thin Solid Films 2000, 363, 6; SPIE 1998, 3476, pq. 68-73. Hamada et al., Applied Phys. Lett. 75, pg. (1999), pg. 1682-1684. U.S. Patent Application Publication 2003/0118866 A1 EXAMINER: Initially reference considered, whether or not cliation is in conformance with MPEP 609; Draw line through cliation if not in conformance.	₽	Dresner, RCA Review, 30, 22 (1969), Pg. 322 - 334.								
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